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25X1

Basic Imagery Interpretation Report

NATIONAL
PHOTOGRAPHIC
INTERPRETATION
CENTER

25X1

MIYUN RADIOASTRONOMY FACILITY

B E NONE

DEPLOYED COMM/ELEC/RADAR FACILITIES

CHINA

OCTOBER 1969

Declass Review by NIMA/DOD

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GROUP 1: EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

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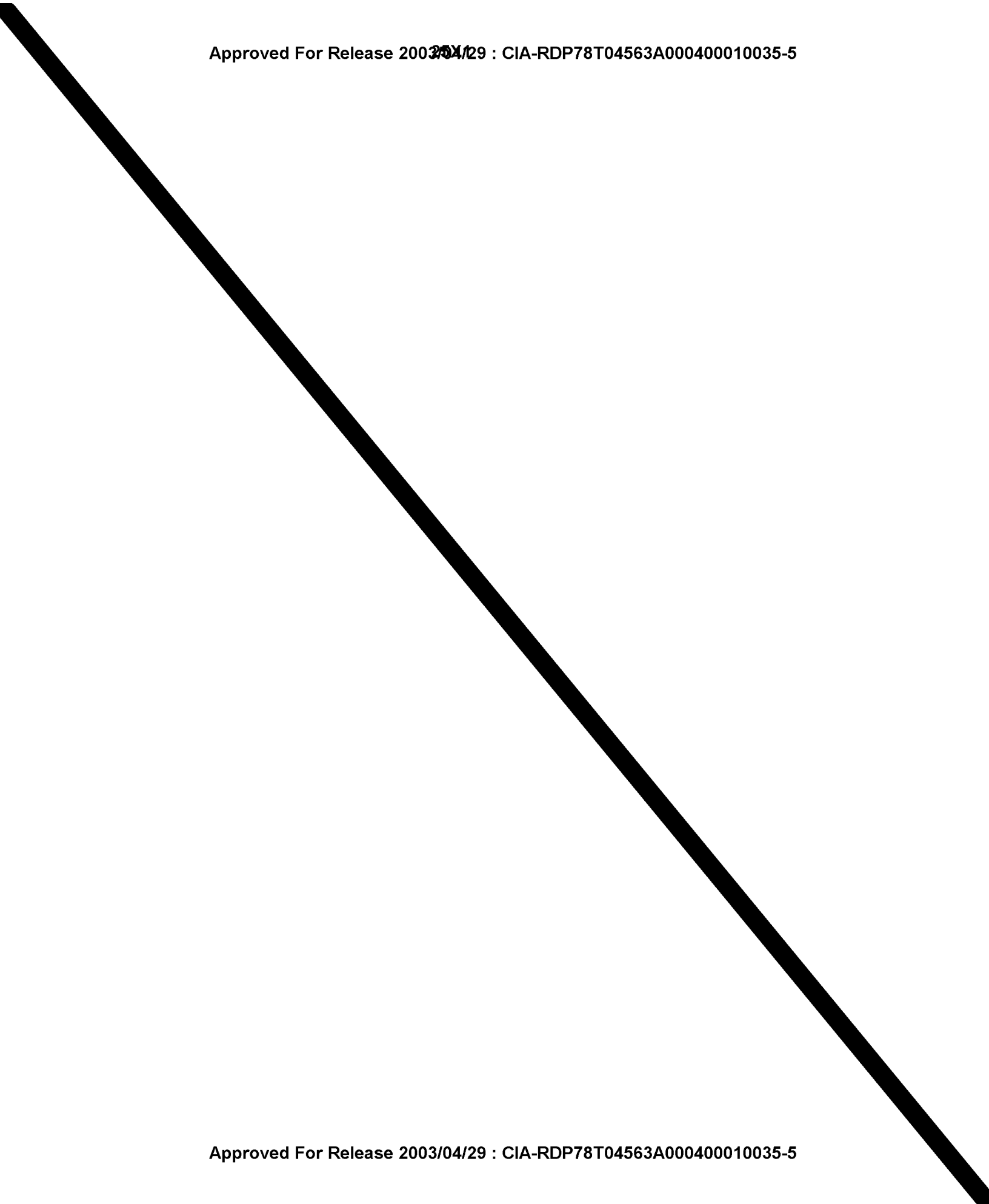

INSTALLATION OR ACTIVITY NAME				COUNTRY
Miyun Radioastronomy Facility				CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	[redacted]	BE NUMBER	COMIREX NO.
NA	40-34-30N 116-58-00E		None	None

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MAP REFERENCE

ACIC. US Air Target Chart, Series 200, Sheet 0289-22HL, 2d ed, Jul 63, scale 1:200,000 (SECRET)

25X1 [redacted]

ABSTRACT

This report provides an imagery derived analysis of the Miyun Radioastronomy Facility, describing developments [redacted] It includes a photograph of the facility, mensuration of significant features, a chronology of the facility, and reference data. 25X1

The Miyun Radioastronomy Facility, which consists of an unsecured antenna area and two small unsecured support areas, is the first solar radiation radio telescope facility observed in China.

INTRODUCTION

The Miyun Radioastronomy Facility (Figure 1) is located 15.8 nautical miles (nm) north-northeast of Miyun and 45 nm northeast of Peking at an elevation of 600 feet. The immediate surrounding terrain is flat with mountains to the north and a large lake to the south.

25X1 This facility was observed under construction [redacted] and was complete 25X1
and probably operational [redacted] 25X1
25X1 [redacted]

BASIC DESCRIPTION

The unsecured antenna area consists of a [redacted] service road lined with 18 25X1
solar radiation radio telescope antennas which are spaced [redacted] apart and 25X1
mounted on self-supporting steel lattice towers approximately 15 feet high.

This antenna array is the multielement interferometer type oriented in an east-west line. Each antenna dish is approximately 20 feet in diameter. A receiving

25X1 [redacted]

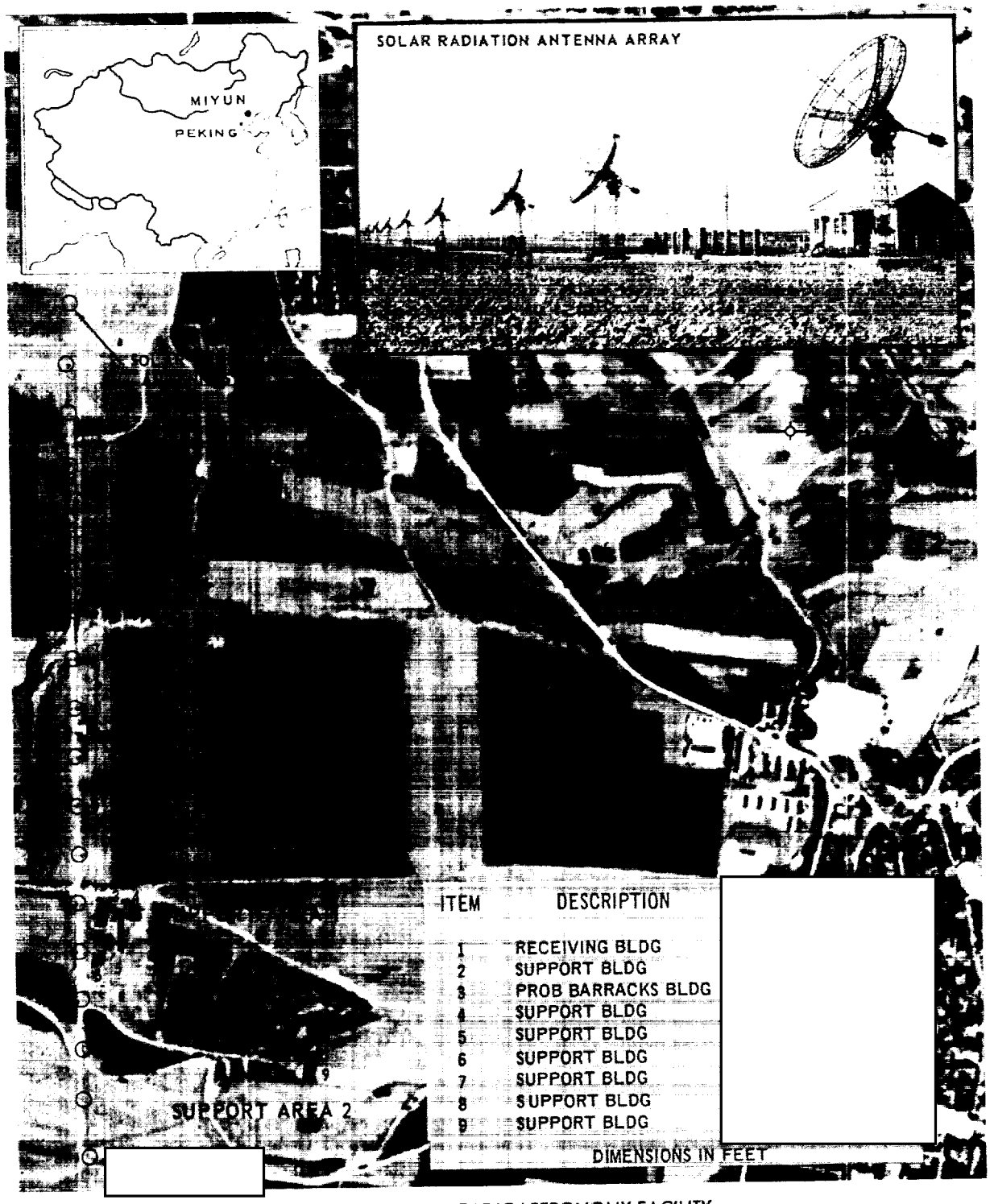

FIGURE 1. MIYUN RADIOASTRONOMY FACILITY

building in which incoming solar signals are amplified and recorded is located midway between the 18 antennas.

The antenna area was first observed under construction [redacted] with the service road partially complete and three possible antennas in position. The construction of the receiving building had not yet started. 25X1

25X1 [redacted] the antenna area contained 18 antennas and a receiving building. No further construction occurred during this time.

The two unsecured support areas, located north of the eastern half of the antenna area, have remained unchanged since first observed [redacted] Limited interpretability precludes functional identification of most support buildings; however, the support areas contain a total of approximately 15,300 square feet of floorspace, assuming all buildings are single-story structures. 25X1

REFERENCES

25X1 [redacted]

MAPS AND CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0289-22HL, 2d ed, Jul 63, scale 1:200,000 (SECRET)

DOCUMENT

25X1 1. DIA. [redacted] *Communist China's Solar Radio Telescope*, 7 Aug 68 (CONFIDENTIAL)

REQUIREMENT

NPIC Project 220207

25X1 [redacted]

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